

TECHNICAL DATA SHEET

G-Blend 85

TEREZ PERFORMANCE POLYMERS (PC+ABS)

Processing

Injection molding

Certifications

Recycled resin content

Product Text

Product Information

PC/ABS ECO Blend. High sustainability due to recycled raw materials. Developed by Solid Polymer Solutions. Suitable for injection molding.

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	260	°C	
Load	5	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	2200	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at break	40	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	50	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	
Other Properties	Value	Unit	Standard
Water absorption	0.2	%	Sim. to ISO 62
Density	1150	kg/m ³	ISO 1183

G-Blend 85

TEREZ PERFORMANCE POLYMERS

Processing Recommendation Injection Molding	Value	Unit	Standard
Pre-drying - temperature	100	°C	
Pre-drying - time	4	h	
Processing humidity	≤0.03	%	
Mold temperature	50 - 80	°C	
Feed temperature	60 - 80	°C	
Zone 1	250 - 280	°C	
Nozzle temperature	240 - 270	°C	